

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
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Application Serial Number: 10/527,678

Source: IFWO

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## RAW SEQUENCE LISTING

DATE: 07/10/2006

PATENT APPLICATION: US/10/527,678

TIME: 09:52:10

Input Set : A:\UCIVN022.APP

Output Set: N:\CRF4\07102006\J527678.raw

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3 <110> APPLICANT: KAYED, RAKEZ
4   GLABE, CHARLES
6 <120> TITLE OF INVENTION: IMMUNOGENS AND CORRESPONDING ANTIBODIES SPECIFIC FOR
7   HIGH MOLECULAR WEIGHT AGGREGATION INTERMEDIATES COMMON
8   TO AMYLOIDS FORMED FROM PROTEINS OF DIFFERING SEQUENCE
10 <130> FILE REFERENCE: UCIVN-022US
12 <140> CURRENT APPLICATION NUMBER: 10/527,678
13 <141> CURRENT FILING DATE: 2005-03-11
15 <150> PRIOR APPLICATION NUMBER: PCT/US03/28829
16 <151> PRIOR FILING DATE: 2003-09-12
18 <150> PRIOR APPLICATION NUMBER: 60/410,069
19 <151> PRIOR FILING DATE: 2002-09-12
21 <160> NUMBER OF SEQ ID NOS: 10
23 <170> SOFTWARE: PatentIn Ver. 3.3
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 40
27 <212> TYPE: PRT
28 <213> ORGANISM: Homo sapiens
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32   1                               5                               10                               15
34 Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
35   20                               25                               30
37 Gly Leu Met Val Gly Gly Val Val
38   35                               40
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 42
43 <212> TYPE: PRT
44 <213> ORGANISM: Homo sapiens
46 <400> SEQUENCE: 2
47 Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
48   1                               5                               10                               15
50 Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
51   20                               25                               30
53 Gly Leu Met Val Gly Gly Val Val Ile Ala
54   35                               40
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 37
59 <212> TYPE: PRT
60 <213> ORGANISM: Homo sapiens
62 <400> SEQUENCE: 3
63 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
64   1                               5                               10                               15

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66 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
67          20          25          30
69 Gly Ser Asn Thr Tyr
70          35
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 21
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 4
79 Lys Thr Asn Met Lys His Met Ala Gly Ala Ala Ala Gly Ala Val
80  1          5          10          15
82 Val Gly Gly Leu Gly
83          20
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 44
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
93     peptide
95 <400> SEQUENCE: 5
96 Lys Lys Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
97  1          5          10          15
99 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
100          20          25          30
102 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Lys Lys
103          35          40
106 <210> SEQ ID NO: 6
107 <211> LENGTH: 147
108 <212> TYPE: PRT
109 <213> ORGANISM: Homo sapiens
111 <400> SEQUENCE: 6
112 Met Lys Ala Leu Ile Val Leu Gly Leu Val Leu Leu Ser Val Thr Val
113  1          5          10          15
115 Gln Gly Lys Val Phe Glu Arg Cys Glu Leu Ala Arg Thr Leu Lys Arg
116          20          25          30
118 Leu Gly Met Asp Gly Tyr Arg Gly Ser Leu Ala Asn Trp Met Cys Leu
119          35          40          45
121 Ala Lys Trp Glu Ser Gly Tyr Asn Thr Arg Ala Thr Asn Tyr Asn Ala
122          50          55          60
124 Gly Asp Arg Ser Thr Asp Tyr Gly Ile Phe Gln Ile Asn Ser Arg Tyr
125          65          70          75          80
127 Trp Cys Asn Asp Gly Lys Thr Pro Gly Ala Val Asn Ala Cys His Leu
128          85          90          95
130 Ser Cys Ser Ala Leu Leu Gln Asp Asn Ile Ala Asp Ala Val Ala Cys
131          100          105          110
133 Ala Lys Arg Val Val Arg Asp Pro Gln Gly Ile Arg Ala Trp Val Ala
134          115          120          125
136 Trp Arg Asn Arg Cys Gln Asn Arg Asp Val Arg Gln Tyr Val Gln Gly

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137      130      135      140
139 Cys Gly Val
140 145
143 <210> SEQ ID NO: 7
144 <211> LENGTH: 110
145 <212> TYPE: PRT
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 7
149 Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu
150 1      5      10      15
152 Trp Gly Pro Asp Pro Ala Ala Ala Phe Val Asn Gln His Leu Cys Gly
153      20      25      30
155 Ser His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe
156      35      40      45
158 Phe Tyr Thr Pro Lys Thr Arg Arg Glu Ala Glu Asp Leu Gln Val Gly
159      50      55      60
161 Gln Val Glu Leu Gly Gly Gly Pro Gly Ala Gly Ser Leu Gln Pro Leu
162 65      70      75      80
164 Ala Leu Glu Gly Ser Leu Gln Lys Arg Gly Ile Val Glu Gln Cys Cys
165      85      90      95
167 Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
168      100      105      110
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 147
173 <212> TYPE: PRT
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 8
177 Met Ala Ser His Arg Leu Leu Leu Leu Cys Leu Ala Gly Leu Val Phe
178 1      5      10      15
180 Val Ser Glu Ala Gly Pro Thr Gly Thr Gly Glu Ser Lys Cys Pro Leu
181      20      25      30
183 Met Val Lys Val Leu Asp Ala Val Arg Gly Ser Pro Ala Ile Asn Val
184      35      40      45
186 Ala Val His Val Phe Arg Lys Ala Ala Asp Asp Thr Trp Glu Pro Phe
187      50      55      60
189 Ala Ser Gly Lys Thr Ser Glu Ser Gly Glu Leu His Gly Leu Thr Thr
190 65      70      75      80
192 Glu Glu Glu Phe Val Glu Gly Ile Tyr Lys Val Glu Ile Asp Thr Lys
193      85      90      95
195 Ser Tyr Trp Lys Ala Leu Gly Ile Ser Pro Phe His Glu His Ala Glu
196      100      105      110
198 Val Val Phe Thr Ala Asn Asp Ser Gly Pro Arg Arg Tyr Thr Ile Ala
199      115      120      125
201 Ala Leu Leu Ser Pro Tyr Ser Tyr Ser Thr Thr Ala Val Val Thr Asn
202      130      135      140
204 Pro Lys Glu
205 145
208 <210> SEQ ID NO: 9
209 <211> LENGTH: 140

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/527,678

DATE: 07/10/2006

TIME: 09:52:11

Input Set : A:\UCIVN022.APP

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210 <212> TYPE: PRT
211 <213> ORGANISM: Homo sapiens
213 <400> SEQUENCE: 9
214 Met Asp Val Phe Met Lys Gly Leu Ser Lys Ala Lys Glu Gly Val Val
215   1           5           10           15
217 Ala Ala Ala Glu Lys Thr Lys Gln Gly Val Ala Glu Ala Ala Gly Lys
218           20           25           30
220 Thr Lys Glu Gly Val Leu Tyr Val Gly Ser Lys Thr Lys Glu Gly Val
221           35           40           45
223 Val His Gly Val Ala Thr Val Ala Glu Lys Thr Lys Glu Gln Val Thr
224           50           55           60
226 Asn Val Gly Gly Ala Val Val Thr Gly Val Thr Ala Val Ala Gln Lys
227           65           70           75           80
229 Thr Val Glu Gly Ala Gly Ser Ile Ala Ala Ala Thr Gly Phe Val Lys
230           85           90           95
232 Lys Asp Gln Leu Gly Lys Asn Glu Glu Gly Ala Pro Gln Glu Gly Ile
233           100          105          110
235 Leu Glu Asp Met Pro Val Asp Pro Asp Asn Glu Ala Tyr Glu Met Pro
236           115          120          125
238 Ser Glu Glu Gly Tyr Gln Asp Tyr Glu Pro Glu Ala
239           130          135          140
242 <210> SEQ ID NO: 10
243 <211> LENGTH: 6
244 <212> TYPE: PRT
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
249           6xHis tag
251 <400> SEQUENCE: 10
252 His His His His His His
253   1           5

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/527,678

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